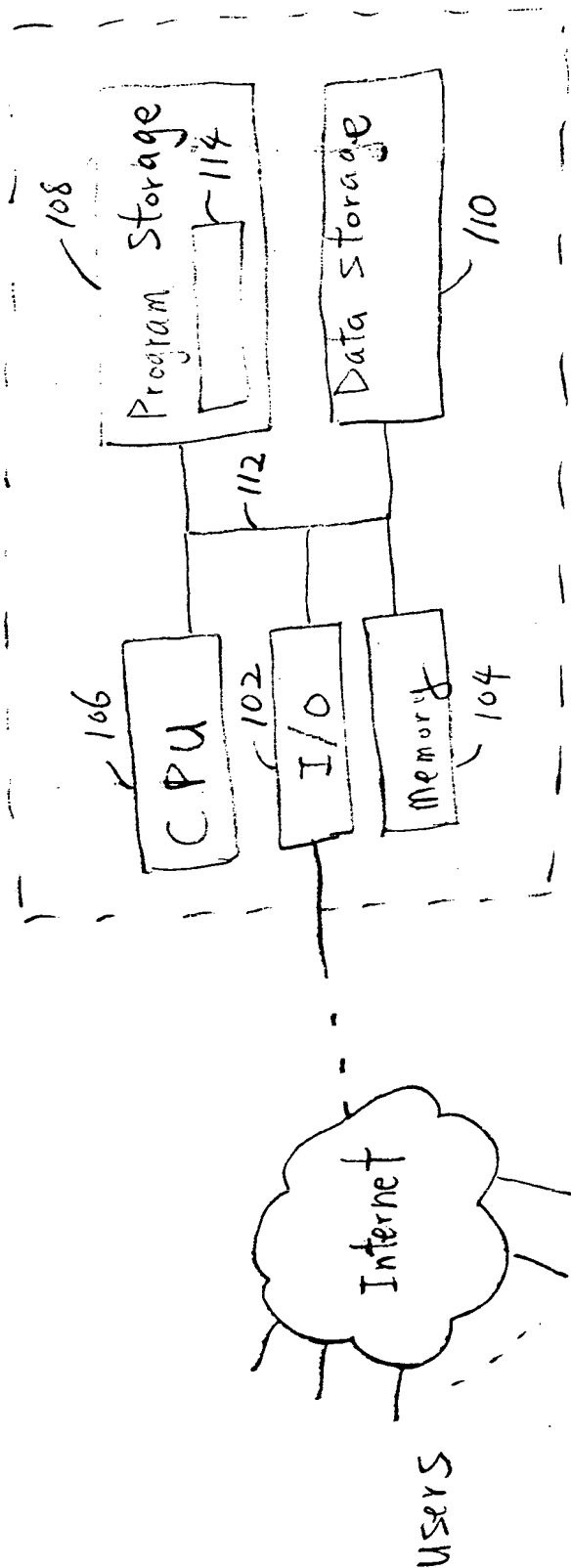


FIG. 1



100

FIG. 1

# Non-linear Analysis

200

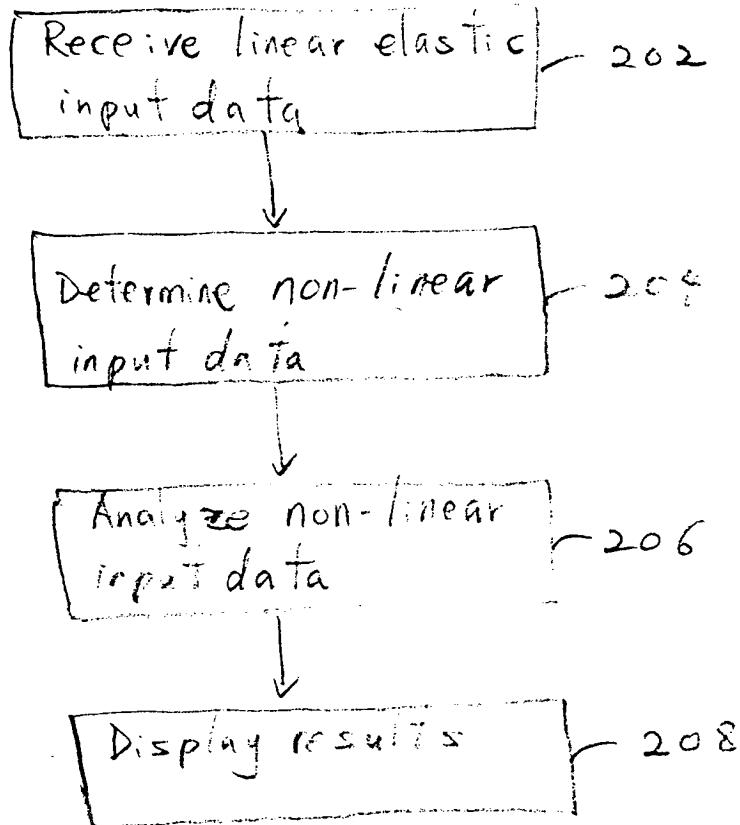


FIG. 2

FIG. 3

Bending Moment

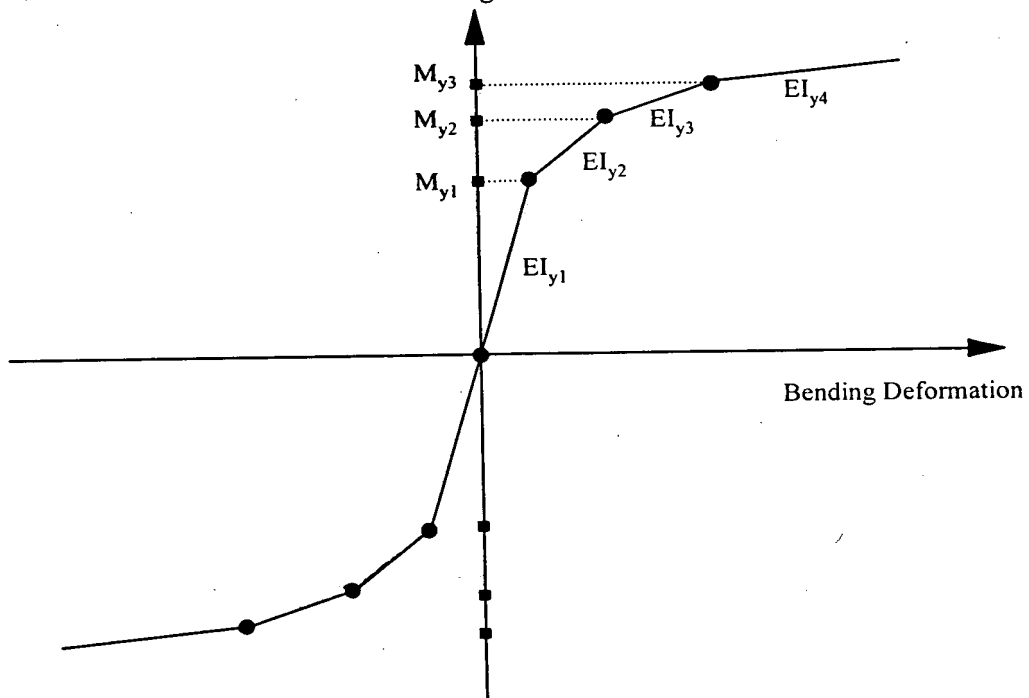


FIG. 4

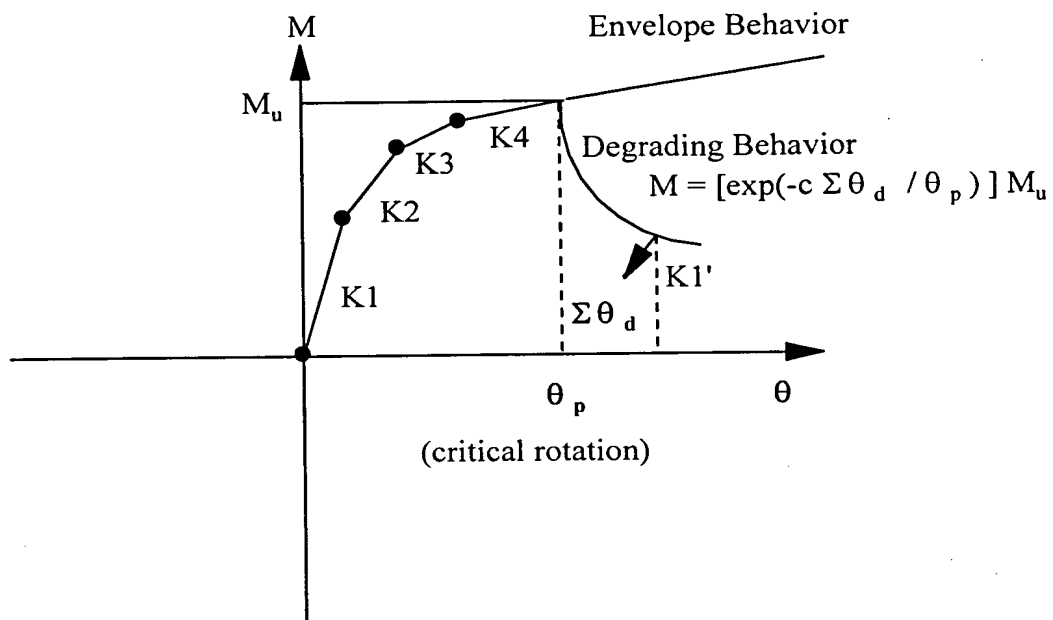


FIG. 5

TOP SECRET

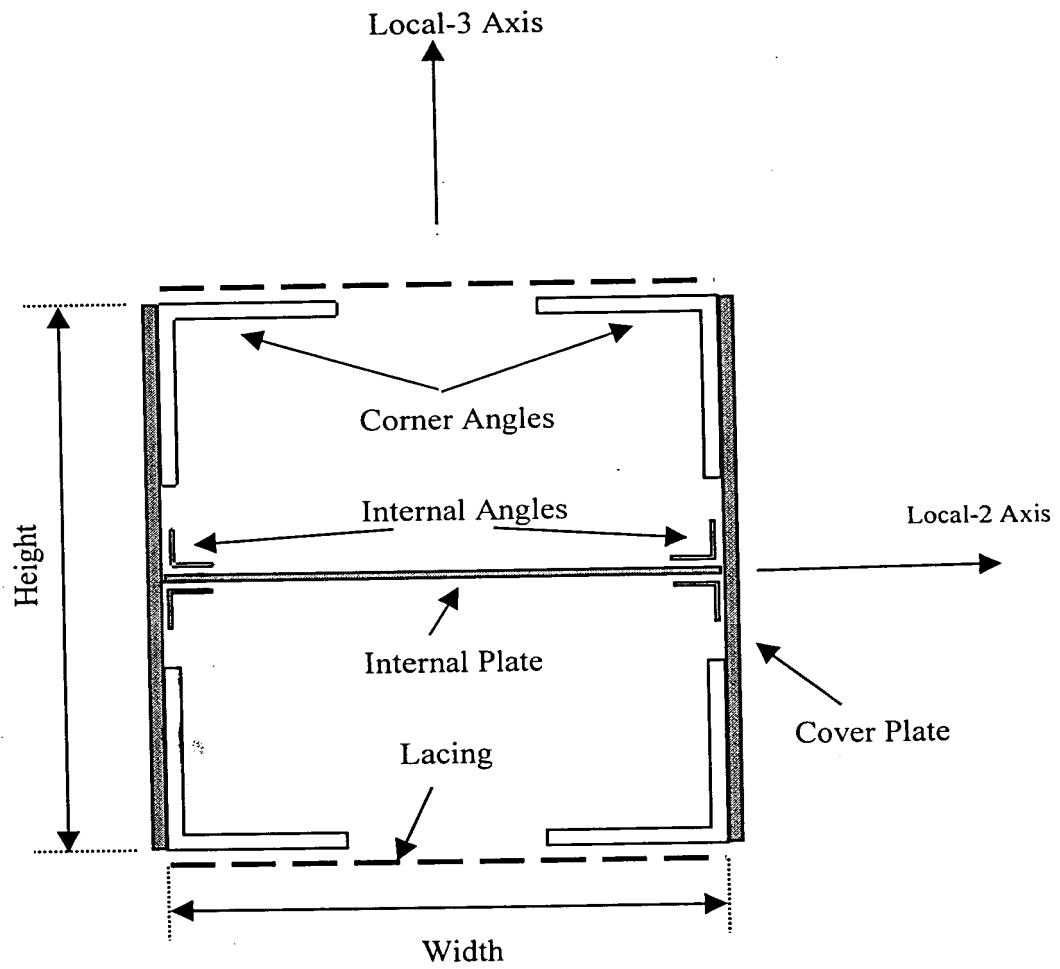


FIG. 6

**TABLE 1. TYPICAL SUMMARY REPORT**

## ANALYSIS SUMMARY

THE FOLLOWING MEMBERS HAVE EXPERIENCED INELASTIC BEHAVIOR

NUMBER OF INELASTIC MEMBERS =

EVENT SEQUENCE	---STATIC----		LOAD STEP	ELEM TYPE	ELEM NUMBER	GROUP	NODE I	NODE J	D/C RATIO	-----MAXIMUM DUCTILITIES-----				GROUP TITLE
	INCRMN	STEP								AXL TOTAL	AXL COMP.	AXL TENS.	END DUCTL	
1	0	0	D	602	DX1	ISTR	3	4	0.000	15.354	6.780	8.574	0.000	POST-BUC
1	0	0	D	602	DX2	ISTR	3	7	0.000	15.229	8.417	6.812	0.000	POST-BUC
2	0	0	D	628	DX3	NTRS	4	7	0.000	4.354	1.624	2.729	0.000	POST-YIE
2	0	0	D	628	DX4	NTRS	4	10	0.000	4.312	2.700	1.612	0.000	POST-YIE

7. 19. 7.



EXPECTED STRUCTURAL DAMAGE

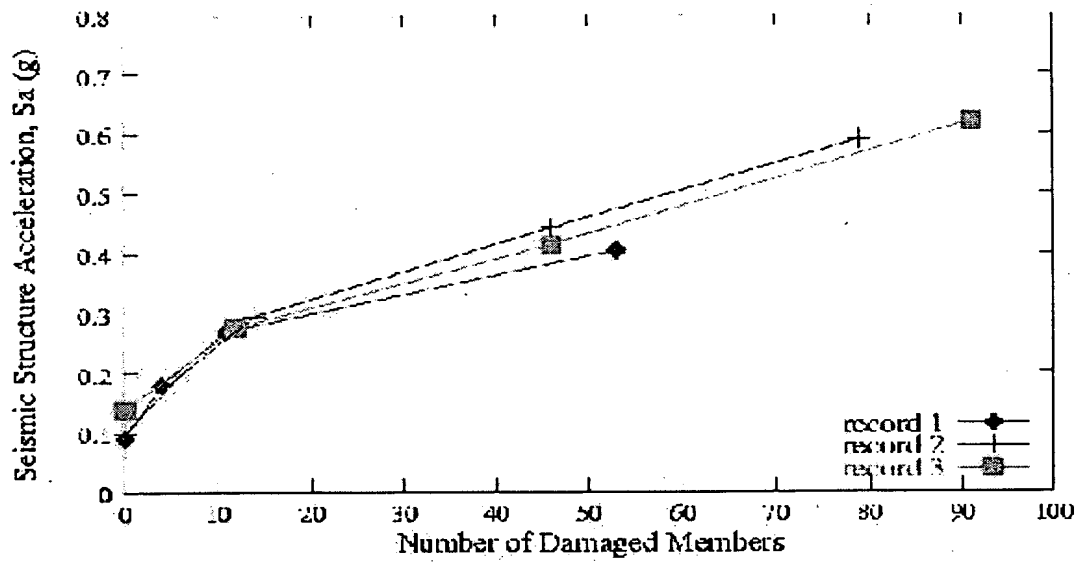


FIG. 9

# Structure rating

150

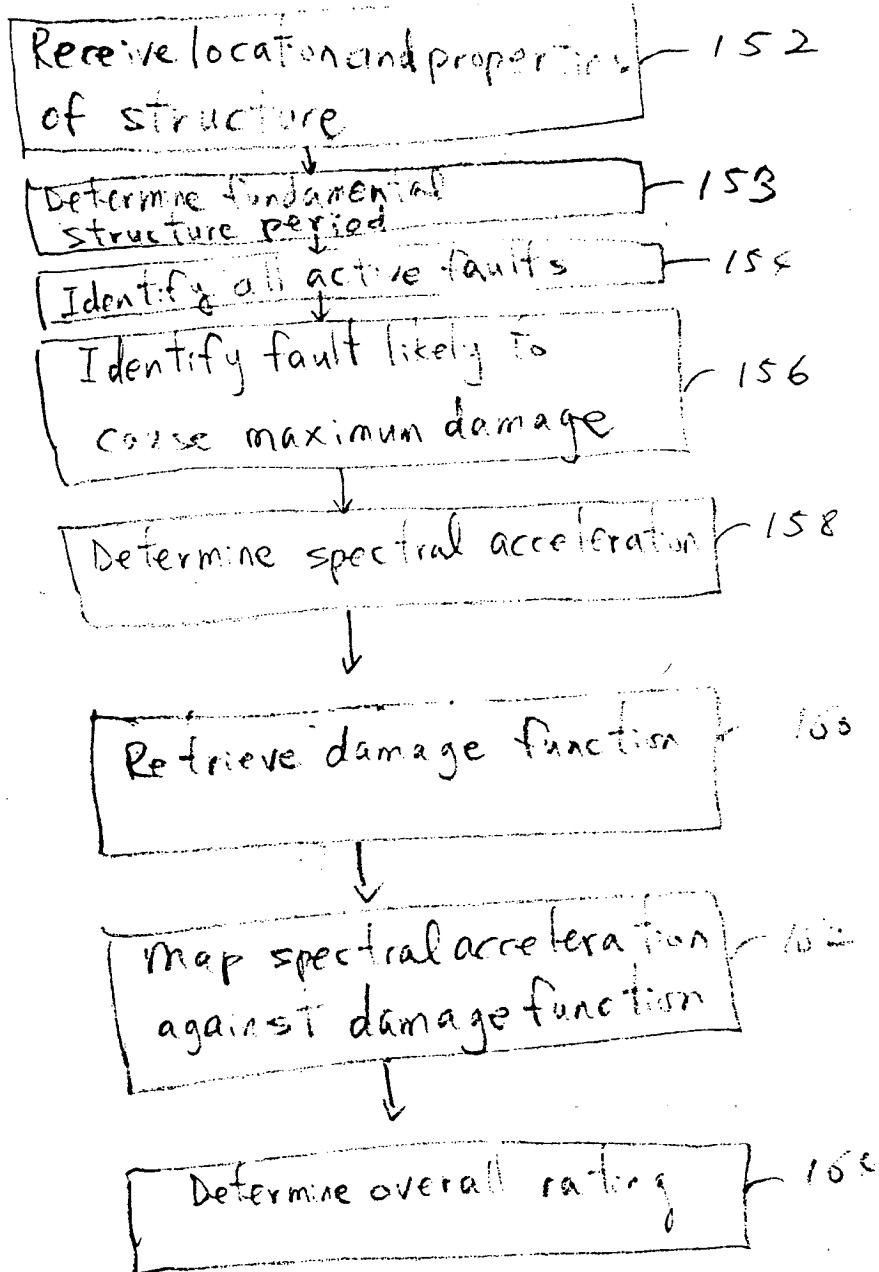


FIG. 10

097E9962-044304

# Damage Function

300

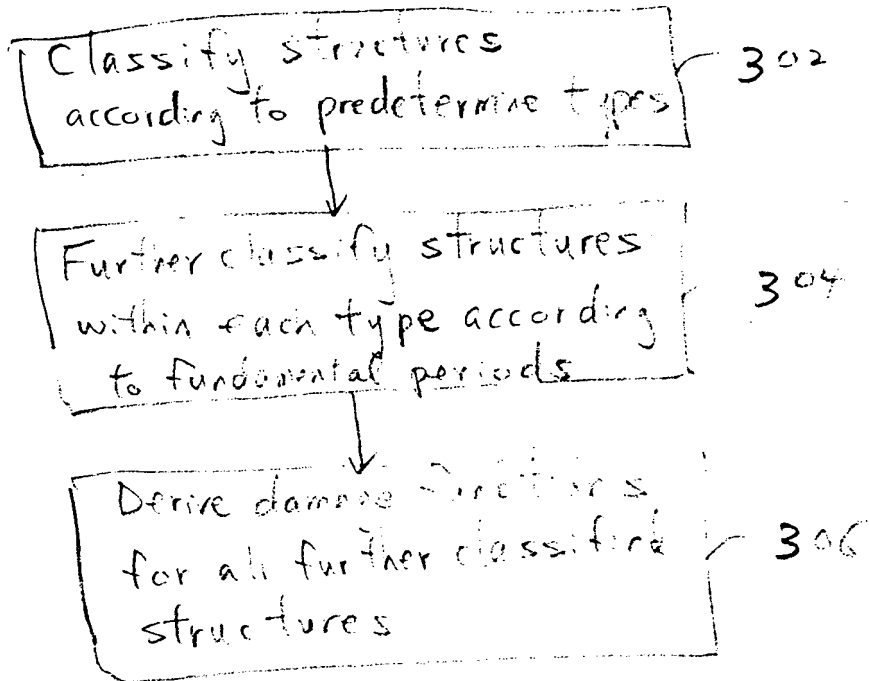


FIG. 11

09760966.0130

102770 29003200

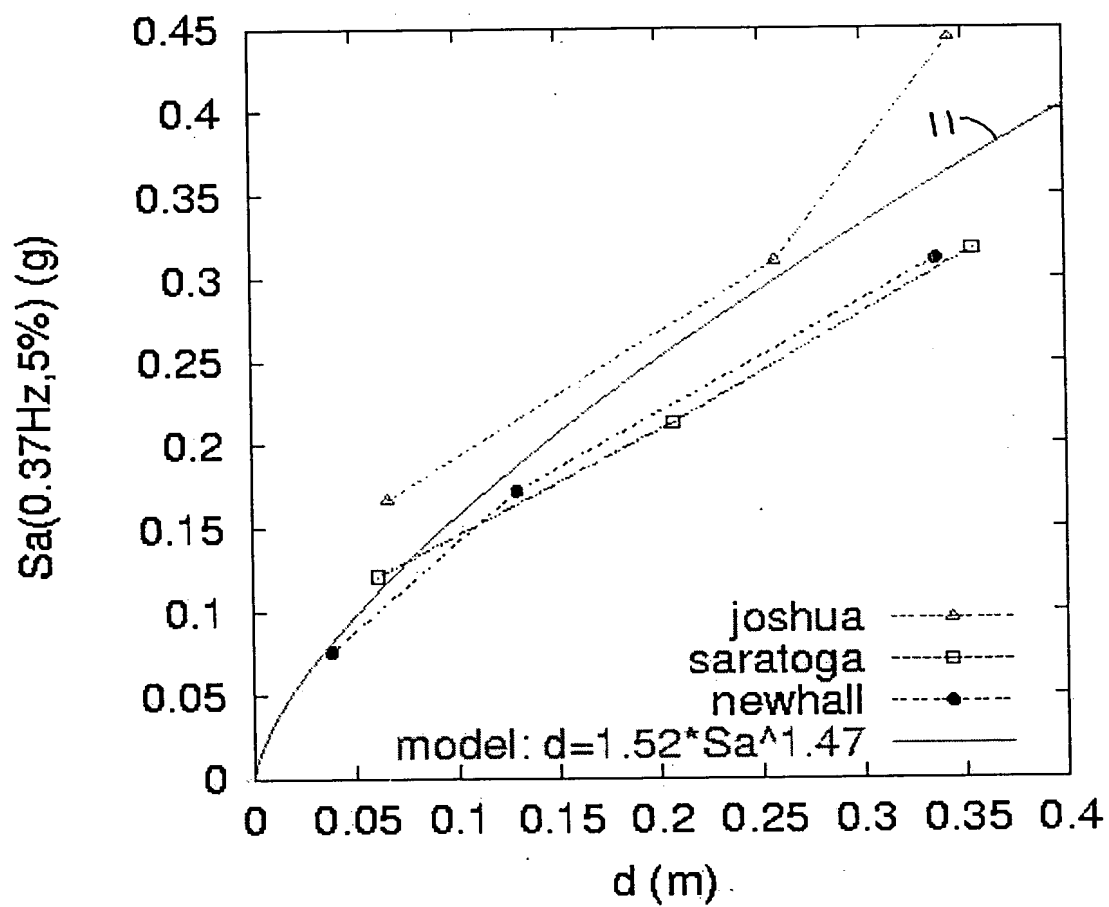


FIG. 12